Use Attainability Analysis

for

WBID 3122 Kinnemore Ditch

Submitted by Missouri Department of Natural Resources Staff

To Missouri Department of Natural Resources Water Protection Program

Field Data Sheets for Recreational Use Stream Surveys

RECEIVED 2005 JUL 11 PM 1: 03

Data Sheet A - Water Body Identification

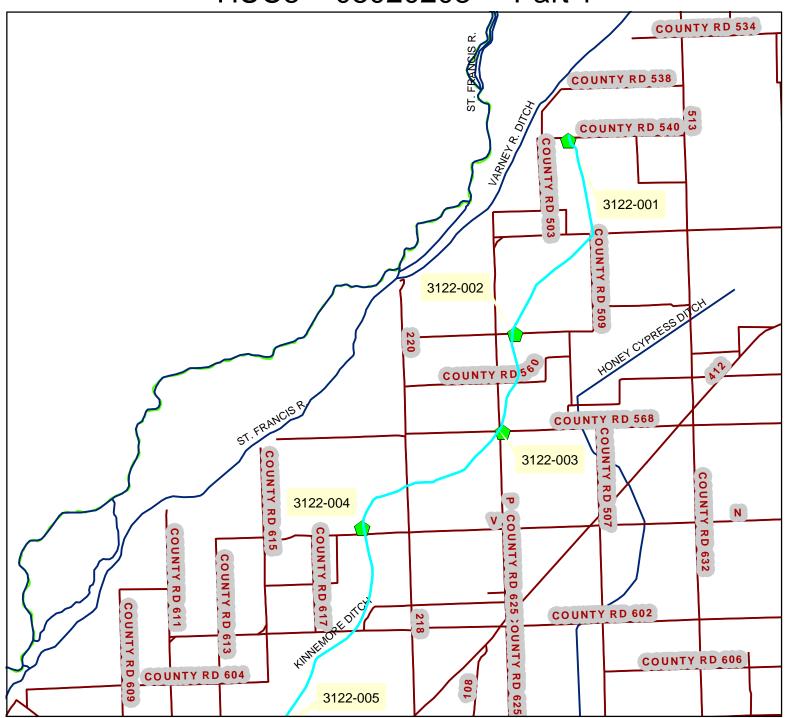
WATER PROTECTION PROGRAM

Water Body Name (from USGS 7.5' quad): Kannemore Datch	
03040403	
Missouri WBID #: 3\22	
County: Denokiano	
Upstream Legal Description:	
Downstream Legal Description:	
Upstream Coordinates: 36.14849 -90.21680 4	
Downstream Coordinates: 36.00321 - 90,29306	
Discharger Facility Name(s):	
Discharger Permit Number(s):	
Number of Sites Evaluated: ¬	
Name of Surveyor and Telephone Number: R. Duchrow 573-751-6623	
Organization: Missouri Department of Natural Resources	
Position: Stream Biologist	

_Date: 1/12/05

Signed:_

Kinnemore Ditch (C) #3122 Dunklin County HUC8 = 08020203 Part 1

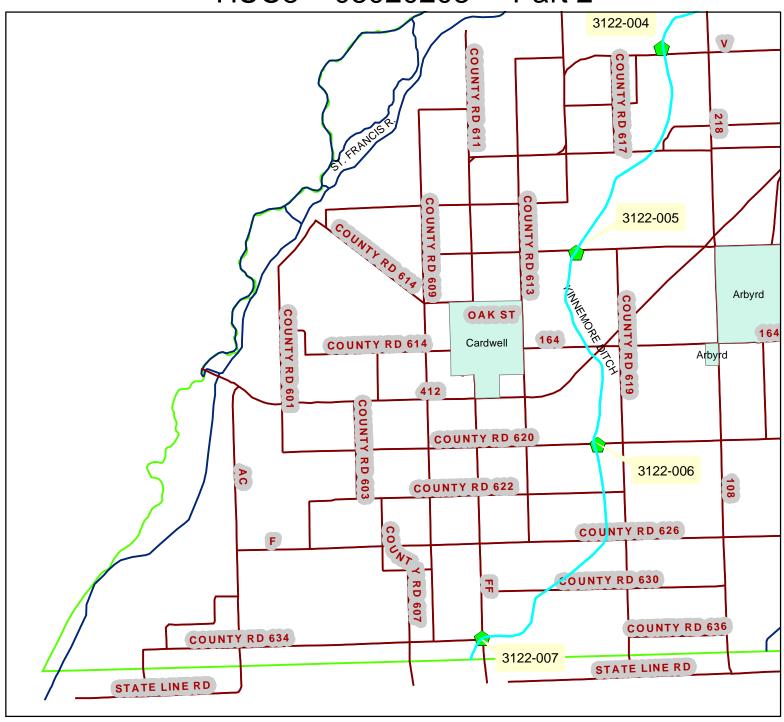


Legend

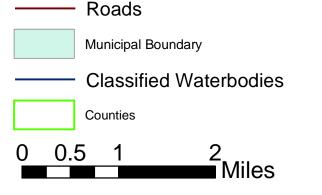




Kinnemore Ditch (C) #3122 Dunklin County HUC8 = 08020203 Part 2



Legend





Field Data Succession Recreational Cae Stream Surveys

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: 33	33		Site Location D	escription:	
Site GPS Coordinates: 3		0.31670	CO RD 540	BR	
Date & Time: 7/7/6	5 0835		Facility Name:		
Personnel: R. Duchrow		17.4.1	Permit Number	CLEAR- WEAR Drow	-1-1-
Current Weather Conditi	ions: Pc			ions for Past 7 days:	2
Photo Ids: Upstream:		vnstream:	C-cole Oth		×
s Observed*:					(70)
Swimming	Skin diving		CUBA diving	Tubing	☐ Water skiing
☐ Wind surfing			oating	Wading	Rafting
		□Fi		None of the above	(1.00 (1.00
	☐ Trapping per of individuals rec			-documentation of evidence	Other: of recreational uses, etc
Describe: (include numb	per of individuals rec	reating, frequency	uency of use, photo	The state of the s	of recreational uses, etc
Describe: (include numb	per of individuals rec	promote or in	uency of use, photo	-documentation of evidence	of recreational uses, etc.
Describe: (include numb	ns*: (Mark all that	promote or in	npede recreational	uses. Attach photos of evide	of recreational uses, etc.
Describe: (include numb	ns*: (Mark all that	promote or in	npede recreational	uses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway
Prounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that	promote or in	npede recreational onservation lands	uses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway
Prounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that	promote or in MDC c	npede recreational onservation lands	uses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two – WBID # : Data Sheet B - Site Characterization

Riffle Wid	ith (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
☐Run Wid	lth (ft): 3'	Length (ft): 100	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		Max. Depth (ft):	0.5
Pool Wid	ith (ft):	Length (ft):	Avg. Depth	0	Max. Depth (ft):	6.3
Flow Pres	sent? Yes	☑No	Estimated (f		1 1 1	
Downstream '	View Physic	al Dimensions:				
	lth (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run Wid	lth (ft):	Length (ft):	Avg. Depth		Max. Depth (ft):	
Pool Wid	lth (ft): 30°	Length (ft):	Avg. Depth		Max. Depth (ft):	,
Flow Pres	ent? Yes	20	Estimated (f	1.3	rian sepai (ty	4.0.6
	ble	% Gravel 100%.)	% Sand 30	essment site)	% Mud/Clay	% Bedroci
uatic Vegetati	ion*: (note an	ount of vegetation or algorithms and that apply.)	gal growth at the asse		% Mud/Clay	% Bedrock
uatic Vegetati	ion*: (note an	** Gravel	gal growth at the asse	essment site)	% Mud/Clay	% Bedrock
uatic Vegetati	ion*: (note an	% Gravel No nount of vegetation or algorithms No nount of vegetation No nount of vegeta	gal growth at the asse	essment site)		% Bedroci
uatic Vegetati	ion*: (note an	Mount of vegetation or algorithms and that apply.) Musky Green Solids	Chemical Gray Fine sediments	None None None	Other: Other: Other:	% Bedroci
ater Character Odor: Color: Bottom Deposit: Surface Deposit:	ristics*: (Mar	k all that apply.) Green Solids	Chemical Gray Fine sediments Foam	None None None	Other: Other: Other: Other:	
ater Character Odor: Color: Bottom Deposit: Surface Deposit: mments: Pleas	ristics*: (Mar Sewage Sludge Oil se attach add	k all that apply.) Solids Scum Solids Scu	Chemical Gray Fine sediments Coreational use designently, this information	None None None nation but rather in is not intended ier analysis or the	Other: Other: Other: Other: Other: other: other: to other: other: other: other:	n.



3122_01_DS



(A separate data sheet must be completed for each site)

issouri WBID#: 3322-002			Site Location	Description:	
Site GPS Coordinates: 3	T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	22844	00 80 50	988	
Date & Time: 7/7/9		o hes.	Facility Name		
Personnel: R. Duchrow			Permit Numbe	r:	
Current Weather Condition	ons: Pc.		Weather Cond	itions for Past 7 days: CALAS	e. west Downship
Photo Ids: Upstream:		nstream:	019014	ser:	
s Observed*:	Skin diving	По	CUBA diving	Tubing	☐ Water skiing
☐ Wind surfing			oating	Wading	Rafting
Hunting			ishing	None of the above	Other:
The same contraction with the contraction of		reating, freq	uency of use, pho	to-documentation of evidence	of recreational uses, etc
rrounding Condition	ns*: (Mark all that)	promote or i	mpede recreation	il uses. Attach photos of evide	nce or unusual
rrounding Condition	ns*: (Mark all that)	promote or in	mpede recreation	il uses. Attach photos of evide	nce or unusual
rrounding Condition	ns*: (Mark all that)	promote or is	mpede recreations conservation land	uses. Attach photos of evide Urban areas	campgrounds
rrounding Condition	ns*: (Mark all that)	promote or is	mpede recreation	il uses. Attach photos of evide	campgrounds
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that parks	promote or is	mpede recreations conservation land	uses. Attach photos of evide Urban areas	campgrounds
rrounding Condition as of interest.) City/county parks	ns*: (Mark all that parks	promote or in MDC o Nation Steep s	mpede recreations conservation land	uses. Attach photos of evide Urban areas	campgrounds
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p	promote or in MDC of Nation Steep s	mpede recreation conservation land al forests	Urban areas Nature trails	Campgrounds

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Upstream View ☐ Riffle Width		Length (ft):	Av	g. Depth (f	t):	Max. I	Depth (ft):	
Run Width	ft):	Length (ft):		z. Depth (f	-		Depth (ft):	
Pool Width	ft): 50'	Length (ft):		g. Depth (f			Depth (ft):	44
Flow Presen	Contract of the second	⊡1%o		imated (ft ³	9	272100.2	reput (tty)	7+
Downstream Vi	w Physica	d Dimensions:						
☐ Riffle Width	(ft):	Length (ft):	Av	g. Depth (f	t):	Max. I	Depth (ft):	
Run Width	(ft):	Length (ft):	Av	g. Depth (f	t):	Max. I	Depth (ft):	
Pool Width	(ft): 40	Length (ft):		g. Depth (f		2007	Depth (ft):	u'.
Flow Presen		⊡No	Vau	imated (ft ³				4+
% Cobble	*: (note am	% Gravel 30		t the asses	% Silt sment site)	30 % Mud/	Clay	% Bedro
uatic Vegetation	*: (note am	ount of vegetation or services and services with the services and services with the services and services and services and services are services and services and services are services are services and services are services and services are services and services are services are services are services and services are	algal growth :	of the asses		⊋o % Mud/		% Bedro
uatic Vegetation	*: (note am	ount of vegetation or section of vegetation or section of vegetation or section of secti	algal growth a	of the asses	sment site)		er.	% Bedro
ater Characteris	*: (note am	ount of vegetation or see of sold see of see	algal growth a	of the asses	sment site)	□ Oti	er.	% Bedro
ater Characteris Odor: Color: Bottom Deposit: Surface Deposit:	tics*: (Mar	w Gravel 30 ount of vegetation or service of service o	Chemi	at the asses	Milky None None None	Oth	er: er: er:	
ater Characteris Odor: Color: Bottom Deposit: Surface Deposit: omments: Please his information is no	tics*: (Mar Sewage Oil Oil attach addit to be used sonding of warm use analys	wount of vegetation or out of vegetation or out of vegetation or out of vegetation or out of the conditions. Consection of the conditions	Chemi Gray Fine se (including including inclu	cal diments	None None None None n from in	Oth Oth Oth Oth Oth other is to provided to directly or that effect an	er: er: this form	n.
ater Characteris Odor: Color: Bottom Deposit: Surface Deposit: omments: Please his information is no imprehensive understation on the recreation	tics*: (Mar Sewage Oil Oil attach addit to be used sonding of warm use analys	wount of vegetation or out of vegetation or out of vegetation or out of vegetation or out of the conditions. Consection of the conditions	Chemi Gray Fine se (including including inclu	cal diments	None None None None n from in	Oth Oth Oth Oth Oth other is to provided to directly or that effect an	er: er: this form	n.

3122_02_US



3122_02_DS



OF PHILE PROCESS AND ASSESSMENT OF CONTRACT ON A 10 10

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

issouri WBID#: 3/99-003			Site Location Description:			
Site GPS Coordinates: 3	b.10562 - 90	. 23106	HWY P B	SR		
Date & Time: 7/6/05	3,000		Facility Name:	50.4		
Personnel: R. Duchrow	7 713	Br5.	Permit Number:			
Current Weather Conditi	ons: Olege		Weather Conditi	ons for Past 7 days: Cleas		
Photo Ids: Upstream:		nstream:	Other		C. MENE DIOUES	
,	06-0011		2-00/3			
s Observed*:						
Swimming	Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	Wind surfing		ating	Wading	Rafting	
Hunting	Trapping	Fis	shing	None of the above	Other:	
Survivê ROS 7/	er of individuals rec	reating, frequ	ency of use, photo-	-documentation of evidence	of recreational uses, etc	
Such FROS 7/2				documentation of evidence		
Bullif RDG 3/1		promote or in				
Cutting Condition	ns*: (Mark all that p	promote or in	npede recreational t	uses. Attach photos of evide	nce or unusual	
rounding Condition City/county parks	ns*: (Mark all that p	oromote or in	npede recreational to	uses. Attach photos of evide	ce or unusual Campgrounds Stairs/walkway	
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks	oromote or in MDC co Nationa Steep s	npede recreational conservation lands	uses. Attach photos of evide	ce or unusual Campgrounds Stairs/walkway	
rrounding Conditions of interest.) City/county parks	ns*: (Mark all that p Playgrounds State parks	MDC co □ Nations □ Steep s	npede recreational conservation lands	uses. Attach photos of evide	ce or unusual Campgrounds	
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	MDC collections of the state of	npede recreational onservation lands onservation lands of forests	Urban areas □ Nature trails □ Other: R. Ra(- C	Campgrounds	

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

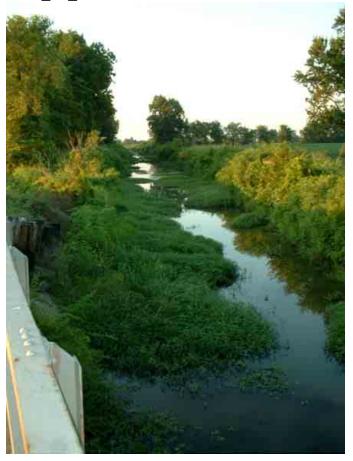
September 29, 2004

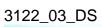
Last printed 06/29/05 10:20 AM

Page 1

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

ream Morphology: Upstream View Phys □ Riffle Width (ft): □ Pool Width (ft): □ Flow Present? □ Riffle Width (ft): □ Pool Width (ft): □ Pool Width (ft): □ Riffle Width (ft): □ Pool Width (ft):	\5'	Length (ft): Length (ft): Length (ft):	4∞,	Avg. Depth (fit Avg. Depth (fit Avg. Depth (fit Estimated (fit ³ /): <u>a'</u>):	М	fax. Depth (fax. Depth (fax. Depth (ft): a.s'~	
Riffle Width (ft): Run Width (ft): Pool Width (ft): Flow Present? Downstream View P. Riffle Width (ft): Run Width (ft):	\5' □ Yes Physical	Length (ft): Length (ft): Length (ft): No Dimensions:	400'+	Avg. Depth (fi): <u>a'</u>):	М	lax. Depth (ft): a.s'~	
Pool Width (ft): Flow Present? Downstream View P Riffle Width (ft): Run Width (ft):	☐ Yes Physical	Length (ft):	4∞,	Avg. Depth (fi): <u>a'</u>):	М	lax. Depth (ft): a.s'~	
☐ Flow Present? [Downstream View P. Riffle Width (ft): Run Width (ft):	☐ Yes Physical	⊡⁄No Dimensions:	4004	Avg. Depth (fi):				
Downstream View P Riffle Width (ft): Run Width (ft):	Physical	⊡⁄No Dimensions:					and Deput		
Riffle Width (ft): Run Width (ft):									
Run Width (ft):	₈₀ ′	Length (ft):							
	8o′			Avg. Depth (ft):	M	fax. Depth (ft):	
Pool Width (ft):		Length (ft):	300'+	Avg. Depth (ft): a'+	M	fax. Depth (ft): 3'+	
		Length (ft):		Avg. Depth (ft			fax. Depth (
Flow Present? [Yes	⊡\No		Estimated (ft ³ /	sec):				
Cooking 52 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	2 2020	3 35 25 36	September 3.5	2,75	ment site)				
ater Characteristics*			Pool Barred	, Z. 75	ment site)				
ater Characteristics*		all that apply.)		hemical	None		Other:		2007
odor: Scolor:	*: (Mark a Sewage Clear	all that apply.) Musky Green	g∕c	hemical			Other:		
Odor: S Color: S Bottom Deposit: S	*: (Mark a Sewage	all that apply.)	♂ c	hemical	☐ None				4.45







(A separate data sheet must be completed for each site)

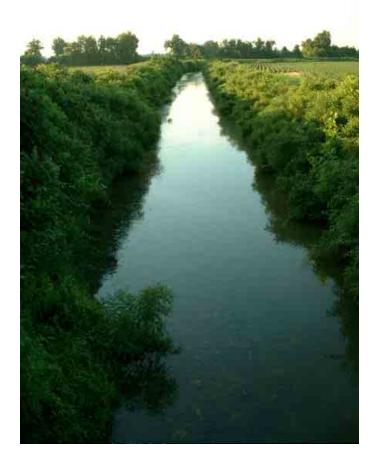
Missouri WBID#: 3122-004			Site Location De	scription:	
Site GPS Coordinates: 3		. 25655	HWY Y	SR	
Date & Time: -1/6/c	9 193	5 403	Facility Name:		mat types of the states
Personnel: R. Duchrow	1.10	- 11.0	Permit Number:		
Current Weather Conditi	ions: Cupar		Weather Conditi	ons for Past 7 days: CLESS	a assura Deputel
Photo Ids: Upstream:		nstream:	Other	r.	e , weare crouse
N-	70-800-1	10	0-00/01		
s Observed*:				*****	
Swimming	Skin diving	□ sc	UBA diving	Tubing	☐ Water skiing
Wind surfing Kayaking		Box	ating	Wading	Rafting
Hunting	Trapping	Fis	hing	None of the above	Other:
Describe: (include numb	er of individuals rec	reating, frequ	ency of use, photo-	documentation of evidence	of recreational uses, etc
rounding Condition				documentation of evidence	
rounding Condition		promote or im			
rounding Conditions of interest.)	ns*: (Mark all that p	promote or im	pede recreational u	uses. Attach photos of evide	nce or unusual
rounding Conditions of interest.)	ns*: (Mark all that p	oromote or im	pede recreational u	uses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or im	pede recreational unservation lands	uses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway
rounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that y Playgrounds State parks Fence	oromote or im ☐ MDC co ☐ National ☐ YSteep sk	pede recreational unservation lands forests	uses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p Playgrounds State parks Fence	oromote or im ☐ MDC co ☐ National ☐ Steep sk	pede recreational unservation lands	Urban areas Nature trails Other: ¬~~~~~	Campgrounds Stairs/walkway

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morphology: Upstream View Physical Dimensions: Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): 6004 a'+ 3'+ Width (ft): Pool Length (ft): Avg. Depth (ft): Max. Depth (ft): Flow ✓ Yes Present? ☐ No Estimated (ft³/sec): Negl Downstream View Physical Dimensions: Riffle Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): 1200+ 3'+ Pool Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): ☑ Flow Present? Yes Yes ☐ No Estimated (ft³/sec): Neal Substrate*: (These values should add up to 100%.) % Cobble % Gravel % Bedrock % Sand % Silt 20 % Mud/Clay 50 Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site) Water Characteristics*: (Mark all that apply.) Odor: Sewage Musky Chemical None Other: → Clear Green Color: Gray Milky Other: Bottom Deposit: Sludge ☐ Solids Fine sediments None Other: Scumole Surface Deposit: Oil Foam None Other: Comments: Please attach additional comments (including information from interviews) to this form. *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Signed: Date: 7/6/05 Organization: Missouri Department of Natural Resources Position: Stream Biologist

Data Sheet B - Site Characterization

Page Two - WBID #



3122_04_DS



Data Sheet B - Site Characterization (A separate data sheet must be completed for each site)

Missouri WBID #: 31	22-005		Site Location	Description:	
Site GPS Coordinates:		8 7 5 7 5	CORDL	2E 01	
Date & Time: 7/6/6	5 105	0 5-5	Facility Name		
Personnel: R. Duchrow		C WYS.	Permit Numb	FC:	
Current Weather Condit	ions: Chann		Weather Con-	titions for Past 7 days:	
Photo Ids: Upstream:		vnstream: \Q	01	her:	R - MCAR Drough
	08-006-11	100	2-60081		
s Observed*:					
Swimming	Skin diving So		UBA diving	Tubing	☐ Water skiing
☐ Wind surfing	Wind surfing		ating	Wading	Rafting
			hima	None of the above	Other:
Hunting Describe: (include numb	Trapping oer of individuals rec	Fis	-	to-documentation of evidence	The second secon
Describe: (include numb	per of individuals rec	reating, frequ	ency of use, pho		of recreational uses, etc
Describe: (include numb	per of individuals rec	promote or in	ency of use, pho	al uses. Attach photos of evidence	e of recreational uses, etc
Describe: (include number prounding Conditions of interest.)	ns*: (Mark all that	promote or in	npede recreation	al uses. Attach photos of evidence	ence or unusual
rounding Conditions of interest.)	ns*: (Mark all that	promote or in MDC or	npede recreation	al uses. Attach photos of evidence	ence or unusual Campgrounds Stairs/walkway
rrounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p	promote or in MDC or	npede recreation onservation land	al uses. Attach photos of evidence	ence or unusual
rrounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that p	promote or in MDC or	npede recreation onservation land	al uses. Attach photos of evidence	ence or unusual Campgrounds Stairs/walkway

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

dth (ft): dth (ft): esent? View I dth (ft): dth (ft): esent?	92,	Length (ft): Length (ft): No Dimensions: Length (ft): Length (ft): Length (ft):	Avg. Depth Avg. Depth Estimated (f	(ft): (ft): (ft):	Max. Depth (ft): Max. Depth (ft): CF3 Max. Depth (ft):	V.U.
View I dth (ft): dth (ft):	Physical	Length (ft): No Dimensions: Length (ft): Length (ft):	Avg. Depth Estimated (f	(ft): (ft): (ft):	Max. Depth (ft):	V.U.
View I dth (ft): dth (ft):	ବ୍ୟ ବ୍ୟ	Dimensions: Length (ft): Length (ft): 3c	Estimated (f	(ft):	Max. Depth (ft):	
dth (ft): dth (ft): dth (ft):	92,	Length (ft): Length (ft): 3c	1 to Book	(0)		
dth (ft): dth (ft): dth (ft):	92,	Length (ft): Length (ft): 3c	1 to Book	(0)		
dth (ft):			Avg. Depth	(0)		
		7.5		(ft): 2'	Max. Depth (ft):	3.5
esent?		rengui (11):	Avg. Depth		Max. Depth (ft):	
		□No	Estimated (f		- 0	
eristics		The state of the s	Па	DK,		
			The state of the s			
it:	Oil	Scum AVS		None	Other:	
	tion*:	tion*: (note amore seristics*: (Mark	eristics*: (Mark all that apply.) Sewage Musky Clear Solids Solids	tion*: (note amount of vegetation or algal growth at the ass eristics*: (Mark all that apply.) Sewage Musky Chemical Clear Green Gray t: Sludge Solids Fine sediments	tion*: (note amount of vegetation or algal growth at the assessment site) eristics*: (Mark all that apply.) Sewage Musky Chemical None Clear Green Gray Milky t: Sludge Solids Fine sediments None	tion*: (note amount of vegetation or algal growth at the assessment site) eristics*: (Mark all that apply.) Sewage Musky Chemical None Other: Clear Green Gray Milky Other: t: Sludge Solids Fine sediments None Other:

Organization: Missouri Department of Natural Resources Position: Stream Biologist

3122_05_US



3122_05_DS



(A separate data sheet must be completed for each site)

Missouri WBID #: 512	12.006		Site Location De	escription:			
Site GPS Coordinates: 3		181	CORD	10 BR			
A 1991	5 1815 h		Facility Name:				
Personnel: R. Duchrow	101511		Permit Number:				
Current Weather Conditi	ions: Clear		Weather Conditi	ions for Past 7 days: a.			
Photo Ids: Upstream:	CIERIC	mstream:	. Othe	Weather Conditions for Past 7 days: Cleare - WEAR Droughed			
, ,,	00-0003	10	10-000-0	. 255 DECOM			
es Observed*:							
Swimming	Skin diving	□s	CUBA diving	Tubing	☐ Water skiing		
☐ Wind surfing			oating	Wading	Rafting		
Hunting Treening			2013077		_		
Describe: (include numb	Trapping er of individuals rec	reating, freq	ishing uency of use, photo	Whone of the above documentation of evidence	Other: of recreational uses, etc		
Describe: (include numb	er of individuals rec	reating, freq	uency of use, photo		of recreational uses, etc		
Describe: (include numb	er of individuals rec	reating, freq	uency of use, photo	documentation of evidence	of recreational uses, etc		
Describe: (include numb	ns*: (Mark all that p	oromote or i	mpede recreational t	documentation of evidence	nce or unusual		
Describe: (include numb	ns*: (Mark all that p	promote or i	mpede recreational to	uses. Attach photos of evide	nce or unusual Campgrounds		
rrounding Condition of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that p	promote or i	mpede recreational to	documentation of evidence	nce or unusual Campgrounds Stairs/walkway		
rrounding Condition City/county parks Boating accesses	ns*: (Mark all that p	oromote or i	mpede recreational to	uses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway		

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

Signed:_	E)			Date:	7/4/05	
		9000	VIANCES 1990		a area moreous ar	

Organization: Missouri Department of Natural Resources Position: Stream Biologist

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use.



3122_06_DS



3122_06_ SHELL







ricid bata succes for Recreational Use Stream Survey

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: らいる	r00.c		Site Location Description:			
Site GPS Coordinates:	16.00321 .90	1.4306				
Date & Time: 7/6/0	5 175	O her.	Facility Name:			
Personnel: R. Duchrow		O KIL	Permit Number: Weather Conditions for Past 7 days: Clear - WEAR Dears			
Current Weather Conditi	ions: Class					
Photo Ids: Upstream:	. Dov	vnstream: 10				
•	00-00011	10	C-0009 I am			
s Observed*:		4200000	-:-			
Swimming	Skin diving	SCUBA diving		Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	Boating		Wading	Rafting	
Hunting	Trapping	Fishing		None of the above	□ Other:	
		the last of the la	the second secon	-documentation of evidence		
Describe: (include numb	per of individuals rec	reating, frequ	ency of use, photo-		of recreational uses, etc	
Describe: (include numb	per of individuals rec	promote or in	ency of use, photo-	documentation of evidence	of recreational uses, etc	
Describe: (include numb	ns*: (Mark all that	promote or in	npede recreational to	documentation of evidence	of recreational uses, etc	
rounding Conditions of interest.)	ns*: (Mark all that	promote or in	npede recreational unservation lands	uses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway	
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign	ns*: (Mark all that processes of individuals reconstructed by the second	promote or in	npede recreational unservation lands	ases. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway	
rounding Conditions of interest.) City/county parks Boating accesses	ns*: (Mark all that processes of individuals reconstructed by the second	promote or in MDC co	npede recreational unservation lands	uses. Attach photos of evide	nce or unusual Campgrounds Stairs/walkway	

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

ream Morphol Upstream Vie			imensions:					
☐ Riffle Wid	th (ft):	4.0	Length (ft):	2	Avg. Depth (ft):	Max. Depth (ft):	
Run Wid	th (ft):	as'	Length (ft):	1900,	Avg. Depth (ft): a'	Max. Depth (ft): 3'	
Pool Wid	th (ft):		Length (ft):	17	Avg. Depth (Max. Depth (ft):	
☐ Flow Pres	ent?	Yes	□ No		Estimated (ft ³	³ /sec): 30-36	o c f 9	
Downstream '	iew P	hysica	l Dimensions:	10				
Riffle Wid	th (ft):		Length (ft):		Avg. Depth (ft):	Max. Depth (ft):	
Run Wid	th (ft):	as'	Length (ft):	300+4	Avg. Depth (ft): a.5'	Max. Depth (ft): 3'	
Pool Wid	th (ft):		Length (ft):	The same of the same of	Avg. Depth (Max. Depth (ft):	21121
☐ Flow Pres	ent?	Yes	□ No		Estimated (ft	3/sec):	o cfs	
uatic Vegetat	ion*: (note amo	ount of vegetation	36 % San	1		% Mud/Clay %	Bedrock
watic Vegetat برگوری می کاری می می می می کاری می می کاری می کاری می می کاری می	ion*: (note amo	ount of vegetation	30 % Sar or algal gro	wth at the asses	ssment site)		Bedrock
watic Vegetat برگری کی گری ater Characte Odor:	ion*: (note amo	ount of vegetation	36 % San n og algal gro 95° p°	wth at the asses	ssment site)	Other:	Bedrock
ater Characte Odor: Color:	ion*: ()	note amo	Sunt of vegetation all that apply.) Green	Sar % Sar or algal gro	wth at the asses	ssment site)	Other:	Bedrock
ater Characte Odor: Color: Bottom Deposit Surface Deposit	ion*: (*: (Mark Sewage Clear Sludge	wunt of vegetation all that apply.) Green Solids Scum	Sar % Sar	with at the assertion themical ray ine sediments part	Sament site) None Milky None	☐ Other: ☐ Other: ☐ Other: ☐ Other: ☐ Other:	
ater Characte Odor: Color: Bottom Deposit Surface Deposit omments: Plea	ristics' se attacenot to be estandination us	*: (Mark Sewage Clear Sludge Oil ch addi	Gravel ount of vegetation all that apply.) Green Solids Scum tional commer olely for removal er conditions. Co	or algal gro	hemical ray ne sediments nam ng informational use design this information	None None None None nation from internation but rather is not intended	Other:	Sugar
ater Characte Odor: Color: Bottom Deposit Surface Deposit omments: Plea	ristics' se attacent to be standing atton us	*: (Mark Sewage Clear Sludge Oil ch addi e used so g of wate e analysi	ount of vegetation all that apply.) Musky Green Solids Scum tional comments blely for removal er conditions. Consists but may point to the be	or algal gro	hemical ray ne sediments nam ng informational use design this information	None None None None nation from internation but rather is not intended	Other: ot	ALZAZ



